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SISTER  
CLUB

# the CARRIER.....

Published Monthly by the Mount Diablo Amateur Radio Club

MDARC FIELD DAY CALL W6CX 2M REPEATER W6CX/R 220 REPEATER W6CX/R MEMORIAL CALL SIGN W6LGW  
Volume XXXII June 1984 Issue No. 6

## CLUB CALENDAR

June 15 MDARC General Meeting 8:00 P.M.  
June 18 Board Meeting 8:00 P.M.  
June 17 Father's Day  
July 4 Independence Day  
July 20 General Meeting



Friday June 15 meeting  
Michael Scott WB6FBI  
SATELLITE TV DEMONSTRATION  
STORY INSIDE

## Notes

"Let's get a little action going"  
Tech Forum/Swap NET  
Thursdays 7:30 P.M. 147.66/06  
Emergency NET is 146.43 Simplex 7:P.M.  
then QSY to 7.735 after roll call Thurs.  
Parky NET  
Every Night 3895 +/- QRM 10 P.M.  
NTS/NCN 3630 KHZ 7 PM daily  
slow speed session 8:30 P.M.  
NCN/VHF 145.41 MHZ WA6EUI/R  
CCRA NET Mon. 7:35 P.M. 147.735

## Meeting Notice

This month's meeting will be held at  
the Grace Presbyterian Church  
2100 Tice Valley Blvd.,  
Walnut Creek



Guest Editor's Rick Barber WB6EZI and Dee Koester N6EJU

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Executive Asst: Florence Lortsher Printer: David Lortsher

PRESIDENT.....	K6MFV	HARRY STYRON	20 Calle Este, Walnut Creek	94596	945-6785
VICE-PRESIDENT.....	WA6DQN	Joe Gregory	3550 Eastview Dr. Laf.	94549	283-6560
SECRETARY.....					
TREASURER.....	W6CPO	LARRY KAYE	764 Lisboa Ct., W.C.	94598	933-6357
EMERGENCY COORDINATOR..	W6ZHY	HANK BERRIMAN	42 Oak Knoll Ct., W.C.	94596	934-9659
BOARD MEMBER.....	KT6X	DICK BROWN	4125 Sacramento St., Con.	94521	676-9048
BOARD MEMBER.....	KA6LSL	BOB DAHL	P.O. Box 868 Pleasanton,	94566	846-9458

DEADLINE FOR THE NEXT ISSUE: Articles, Classified Ads, etc. by June 20, 1984

Next Board Meeting at: Thurman Casey Library 2661 Oak Grove Rd. W.C. June 18, 1984

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Christmas Party Dec 9.

### The President's Corner

One of the things that I suppose I knew when Dick Brown asked me to accept the nomination for the presidency was that you never learn what you are supposed to be doing in an office until just about the time your term is over! Because I did not "work my way up through the ranks," so to speak, this is probably even more true in my case. There are days when I wish I had started out as door prize chairman so I would know everyone on sight. Bear with me.

The auction was, both in terms of the money it raised for the club and in terms of bringing a lot of people to a meeting, one of the best ever. The club and I owe a vote of thanks to John Keibel, KA6SWO, for an excellent effort as auction chairman. Also prominent in their contributions were Duane Eskridge, W6LKE, who probably won't be able to talk for a week after being lead auctioneer, and Peter Strauss, KO6R, who jumped in as only he can, and sold my TR2400 for me, among other things. Prime time was really prime, including very rare items like a National SW3 receiver in apparently mint condition that I thought Duane was going to cry over instead of sell. Prominent in his contributions of goodies was former Pres., Chuck Welch, WA6MWU, who gave away what he couldn't sell. One more night like that and we'll refer to the auction as the Chuck Welch Memorial Garage Sale! And I got concerned that we forgot to get Lou Potter, K6VT's, resale number! Good luck at the flea markets, Lou.

The club exists to do things together that for each of us would be difficult or impossible alone. The opportunity to operate from Mt. Diablo on field day is an activity which is a tremendous amount of fun for all, but needs the efforts of a lot of people to pull it off. Guy Corynen, KE6BS, and Lauren Styles, WA6CIE, as well as an active committee, have the organizational details well in hand, but it is now time to get together to be sure we have all the operators and "erectors" we will need. Guy's phone number is 837-3080. Let's get with it.

Many thanks to Betty Lou Hollidge, KB6UX, and to vicePres. Joe Gregory, WA6DQN, for keeping the public service program on track. In May I went up on the Mountain for a horse enduro, and had a lot of fun, met some new people, learned about a sport I had never heard of before, and got some experience being near horses, which frankly scare me because they are bigger than I am. But I think I learned a lesson about the relationship between communicators and participants. It is common for us to arrive at an activity where we are assisting "cold", with no idea of what our "input" will be. Usually, who ever has

organized the participants has had no clear idea of what services we can and will provide. The result is that we tend to stand around waiting to find out what to do, and they stand around waiting to find out what we are going to do. My solution, on the spot, was to assist the timer I was working with with her paperwork so that I got the information I needed to send back to base, and she had more time to keep track of 160 horses. But I think that we should be prepared to suggest a meeting with event organizers and our operators before the event so that everyone knows what to expect before they get out in the cold with the wind blowing the paper every which way while all the horses gallop by at full tilt.

Along the line of getting better organized, I have suggested to Hank Berriman, W6ZHY, our emergency coordinator that every two months or so the emergency net should be conducted at the various operating sites which would be activated for the real thing. I know that it would require a large organizational effort to get the police, fire district, hospitals, etc. to give us access to their facilities on a Thursday evening six times a year, and it would require a substantial commitment on the part of the people who are assigned to those locations to get there and participate, but I think it would be worth it because over time it would familiarize many more people with setup and liaison, and eliminate the fumbling around that will occur at the beginning of a large "event". Make comments on this idea to Hank or Duane or me, and maybe we can move it to reality. But if you approve of it, be prepared to participate.

A number of things have contributed to the absence of this column the past couple of months, including the move of my office from Lafayette to Walnut Creek just when I should have been writing the May column. The month before, I had the experience of actually meeting Doug Lortsher, W6KLM, for the first time, and then, just a week later, learning of his death and attending the memorial service. His loss will be felt throughout all of the communities he lived in this club, his church, his many friends but somehow it became a very personal thing for me, too. Perhaps the people who knew him and his accomplishments well made me feel his impact on my own activities, albeit indirect. Long ago John Donne wrote, "No man is an island." I don't know that I understood what was meant as well until now. Doug will be sorely missed by us all.

Harry Styron, K6MFV



## Guest Speaker

The speaker for Friday June 15 meeting will be Michael Scott WB6FBI, on Satellite TV Demonstration.

There will be a large screen television and Video tape explaining Satellite TVRO Systems. Mike will have an operational satellite dish at the meeting and will show live Satellite TV pictures to the membership.

As Chief of Satellite engineering for Transvision Corp. of Marin, Mike is a recognized expert in the field of Satellite Communication Systems.

Following the presentation there will be a question and answer session!!!

### RICK'S CARP FLAMBÉ

1 Carp, 3 lbs., uncleaned  
1 Filet of Sole, Viet Nam  
8 oz. Tomatoe Sauce  
1/4 C. Minced Onion  
1 Tbs. Garlic Powder  
Dash Tobasco  
1/4 tsp. Oregano  
Salt & Pepper to taste  
1/4 Cup Sherry

Rinse the Carp but do NOT clean. Place half of the Tomatoe Sauce over the Sole and place the Carp on the Sole. Cover with the remaining Tomatoe Sauce and add the remaining ingredients over the Carp.

Preheat oven to 450 degrees and place fish in oven. After 10 minutes, reduce temperature to 375 and cook for 3 hours or until fish is tender.

If you have used a good quality boot Sole from the Viet Nam era, it should be eatable after you throw away the Carp and serve with a cheap Muscatel.

### EAST COUNTY O.E.S. BECOMING A REALITY

According to information received from Dave Tyler (N6DRT) who is the Disaster Planing Coordinator for Contra Costa County Office of Emergency Services, County officials at OES are looking for an alternate emergency operations center in East County. Boy do we have a scoop for them!

Rick Barber (WB6EZI) who is Asst. E.C. for the East County area has been working on just such a project. A large portion of his home in Antioch has been converted into just such a disaster communications center. The main part of the house, the family room, has been modified to contain a complete Ham station and computer center. The 18 by 36 ft. room contains a complete low band station, three two meter stations, two 220 stations, two 450 stations, a fast-scan ATV receiver, and a RTTY station hooked into the computer terminal in the room.

Large scale maps of the County and northern California are mounted on the walls of the room. Additional maps and status boards are also located in the den which will serve as the mobile coordination center of the AOES. This area is especially set up to coordinate the activities of all mobile radio units which will be operational during a disaster.

Two towers will carry the many antennas which will be utilized by the Hams during actual or simulated drills and emergencies. A total of at least 15 UHF and VHF antennas are planned for the complex. The main tower, a W-51 will have rotatable antennas at the 70 ft. level and a 40 ft. Rohn 6 tower will carry additional antennas at the 50 ft. level.

While some of the complex is still under construction at the present time, Rick hopes to have a majority of the station in operation by the middle of July. An open house and "opening ceremony" is planned. County OES officials will be the first to receive an invitation.

Yes, Rick is now single and has very understanding neighbors.

## W5YI REPORT

### CORDLESS PHONES & LEGAL WIRETAPPING

Listening to seemingly private cordless telephone conversations has almost become a national pastime among the scanner, SWL.. and yes, the ham community, too.

A recent nationally distributed wire service report tells about ham operators listening to "millions of Americans unwittingly... exposing their souls...by using cordless telephones." The article, written by Andrew Maykuth of the Knight-Ridder News Service, was based on reports from various manufacturers, ham operators, EIA (Electronics Industries Association) and FCC officials.

The article never mentioned that short wave listeners and scanner buffs... even the public using everyday AM broadcast radios monitored far more cordless calls than ham operators. It held amateur operators as being "legal wiretappers," - not good PR to day the least!

The report said that one 17 year old amateur radio operator had heard teachers grumbling about the administration, drug dealers negotiating sales, private detectives discussing an investigation, sexual fantasy credit card calls, even consumers giving out bank account numbers on the airwaves. The range reportedly is up to ten miles, although this is very unusual.

At present, about 9 million cordless telephones have been produced that operate on a split band arrangement. Cordless handsets transmit on one of five frequencies between 1.625 and 1.8 MHz while the base unit radiates in the 49 MHz band. Voice scrambled mosels are available, but hardly anyone uses them since they are expensive.

The public has never been told that just about anyone can hear their cordless phone calls. Nor have they been told that their cordless unit could become totally obsolete and unusable once the FCC starts allocating AM broadcast radio stations up to 1705 kHz as authorized by the 1979 WARC.

As of this October, all newly manufactured cordless telephones must operate on one of ten new base/handset channels in the 46-49 MHz band. (See 2/1/84 Report) A further relocation of cordless frequencies to the 900 MHz band seems likely to occur since the FCC said even the new 46-49 MHz allocation was temporary and would be discontinued February 15, 1989.

Is it legal to listen, even record private cordless conversations? There is evidence that it is. Police in Woonsocket, Rhode Island, recently arrested a group of drug dealers after their cordless telephone conversations were intercepted by a neighbor.

## W5YI REPORT cont'd

In Topeka, the Kansas Supreme Court has ruled that police can legally monitor and record conversations conducted via cordless telephones and use those recordings as evidence in trials. The court said that the communications were equal to ordinary oral discussion and not wiretapping. A district judge had previously refused to admit the evidence sine established wiretapping procedures had not been followed. The Kansas State Supreme Court rejected that argument.

### CQ FIELD DAY! CQ FIELD DAY!

Again this year, our Club has planned a very active Field Day weekend on top of Mt. Diablo. There will be excitement for everyone, from the "Socialites" to the "Heavy Duty Contesters, from Champagne to 20 kw ERP and our W6CX call will be heard loud and clear on the 8 major bands.

Using scientific supercomputers and powerful Algorithms, one of our super weapons (the KE6BS Rectangle) was designed for 2 meters, and the other (the WA3FET Quad) was designed for 40 meters.

COME AND JOIN US, HELP US CONSTRUCT AND OPERATE THESE TWO SECRET WEAPONS!!

Although we have a few super band Captains such as KB6OH Jim, KE6RV Jim, WB6EZI Rick, we need a lot more man power and various equipment such as tents and generators. We need Band Captains for 10 M and 15 M, and for 20 M. We also need "spotters", who will use the 147.06 machine to inform hams at large where we are operating at anytime. 220 Mhz intercoms will be used on site.

SO LETS MAKE THIS ANOTHER SUCCESSFUL FIELD DAY FOR THE CLUB, AND MAKE A COMMITMENT TO HELP!!!

Call KE6BS Guy at 837-3080 (home) or 422-8537 (work) at anytime of the day or evening.

FIELD DAY OPERATING PERIOD is from 1100 a.m. Sat. June 23 to 1100 a.m. Sun. June 24. We begin setting up Friday at 1100 a.m., June 22.





## Public Service

Saturday May 12 at 7:30 A.M. WD6GDG, Clay, WA6DQN, Joe, KA6IVG, Ryan, WA6SWO, John, KB6UX, Betty Lou were at the Lafayette Reservoir to help the Volunteer Center, Contra Costa County with their walk around the Lafayette Reservoir. A warm day complete with bag pipes to start the rase, to finish there were hot dogs and cold drinks for all.

Also this same day, Dee, N6EJU, and Rick WB6EZI responded on very short notice to a call from the Pleasant Hill Community Fiesta for operators. Dee and Rick coordinated the parachute drop onto the baseball diamond at the College Park High School. According to Dee it was spectacular, and the parachutists were right on target.

June 3 will be the run for the We Care Day Treatment Center from the Countrywood shopping Center with Frank N6GQ, as net control.

73 Betty Lou KB6UX

### June News Item:

#### RIDE FOR RESEARCH

On Saturday, June 2, about 140 horses and their riders made their way over trails from Alamo to the summit of Mt. Diablo and back. It was a cool day, very pleasant after the hot weather following Memorial Day. The MDARC provided radio communication between the several check points along the trail and the base at Humphrey's Arena on Stone Valley Road.

Dwayne Eskridge W6LKE, manned the base station in Alamo and was assisted by Jim KA6IVF, George W6IDW, Warren WA6QAZ, and Joe WA6DQN. We were a bit short handed and had to move along the route as the horses progressed. No serious mishaps occurred, only a few cuts and bruises to riders.

Joe WA6DQN



THINK FIELD DAY!!!  
GREATEST EVENT OF THE YEAR  
set up Fri. 25 at 1100 am  
ON THE AIR SAT. & SUN.

## THE BASE STATION

YOUR CONTRA COSTA HAM HEADQUARTERS

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AND ALL SORTS OF ACCESSORIES

### The Base Station

2101 Pacheco St. Concord, CA 94520

(415) 685-7388

Friday July 20, 1984

"Doc" Jean Gmelin, W6ZRJ,  
and Al Gaetano, W6VZI

ANTENNAS FOR THE BEGINNING OLD TIME HAM

August meeting: Gary Caldwell WA6VEF will give an illustrated account of his November 1983 expedition to Japan and the Mariannas. Don't miss hearing "How to do contesting with a million dollar antenna."

## Renewing

ARRL MEMBERSHIPS

Don't forget to renew your ARRL membership through the club. Send us the card and money. We forward to the ARRL and get to keep \$2.00.

## RACES/ARES

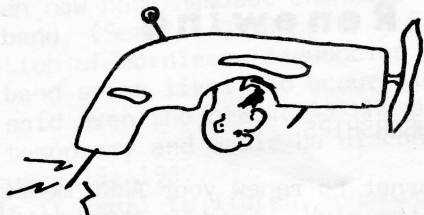
Our regular Thursday nite Emergency Services Net will shortly provide a most interesting change, thanks to the suggestion of our Club President, K6MFV. Members who are presently assigned to Emergency Response Sites will be asked to check in with the group from their assigned site --- on occasion rather than the home QTH. This practice should benefit both the operators and the site personnel by establishing familiarity with the location of antenna termination, message forms and site manuals of instruction. Such reporting would only be on an occasional basis, of course but should be invaluable to our program.

The new message format which passed the test at the April Seminar has been accepted by County Officials and will soon be printed and distributed to the various Emergency Response Sites along with the E.C. Manuals.

Kaiser Hospital Walnut Creek and John Muir Hospital will join in their annual accreditation testing and certification and our Emergency Services Group will provide communications as we did last year. The date is Wednesday, June 20. The time 1100. At this writing, Elta Memorial Hospital will hold a similar exercise on June 13. Our East County Group will support that exercise. There is a possibility that the two separate exercises could be tied together if they can agree on a joint date, so listen for that possible change.

How does one use a "TAC" call during an emergency? Well, remember those Emergency Communication Site Manuals we used at the Seminar? A new and informative page entitled "HOW TO USE "TAC" CALLS" (tactical call signs) has been designed and printed by Dave Tyler, N6DRT and will shortly be distributed to all holders of the manuals. This clears up the subject very well indeed. Do you have yours yet? Check in on the Net Thursday (146.43s) and make a request.....

73 Hank W6AHY



USING LOWER SIDEBAND  
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## Ham Radio Outlet

2811 Telegraph Ave.

Oakland, CA 94609

(415) 451-5757

999 Howard Ave.

Burlingame, CA 94010

(415) 342-5757

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IN NORTHERN CALIFORNIA



## AUCTION -

Thank You!

How many of you have served the Mt Diablo ARC by being an officier or chairman? Quite a few, that's obvious from the numerous, successful activities we witness year round. On the other hand, there are many, like me a few months ago, who have not dared to follow in the foot steps of the past and present leadership. To those who have not yet gotten their leadership feet wet, I encourage to jump-in.

Earlier this year I took charge of the Auction Committee. What a terrific experience. Sure, there was a fair amount of time and phone calling involved, but it felt good to be involved with the club that introduced me to ham radio. Add to that, I discovered several fine parts stores while circulating auction announcements (I like a good parts store & home brewing). Of course, the culmination was on the night of May 18th. and seeing things run relatively smooth and a \$200 profit for the Club.

Yet my job was only a "cog" in the gear of the auction machinery. So now I wish to thank those who were the other "cogs."

### auctioneers:

Dwayne Eskridge - W6LKE  
Peter Strauss - KO6R

### bookkeeping & advisors:

Larry Kaye - W6CPO  
Dick Brown - KT6X  
& Mrs Brown  
Russ Hockins - KA6FOY (visitor)  
Jay Caldis - KT6Y

### door prizes:

Joe Gregory - WA6DQN

### body builders (i.e., merchandise movers):

Joe Hudson (visitor)  
Doyle Johnson - KF6BD  
(visitor)  
Dave Fancher - KA6YKG  
(visitor)  
Karl Fraser - KK1A  
(visitor)

### refreshments:

Dee Koester - N6EJU

### talker-ins:

Betty Lou - KB6UX  
and others

### verbal advertisers:

Lou Potter - K6VT  
Betty Lou - KB6UX  
and others

### Carrier:

Florence Lortscher  
Doug Smith - WA6GON

My and the Club's sincere thanks to these people.

I would like to recognise those stores which willingly posted auction announcements.

- Al Lasher's  
1734 University Ave  
Berkeley Ph 843-5915
- A.W. Boyd  
3438 Helen St  
Oakland Ph 653-7311
- The Base Station  
2101 Pacheco St  
Concord Ph 685-7388
- Electronics Etc.  
2738 10th St  
Berkeley Ph 845-0169
- Ham Radio Outlet (HRO)  
2811 Telegraph Ave  
Oakland Ph 451-5757
- Heathkit  
6000 Potrero Ave  
El Cerrito Ph 236-8870
- The Odd Assortment  
4980-B Pacheco Blvd  
Pacheco Ph 228-4180
- Radio Shack  
4530 Clayton Rd  
Concord Ph 676-6575
- Quinn's  
Oakland Airport Bldg. #727  
Oakland Ph 569-1539
- Zack Electronics  
1444 Market St  
San Francisco Ph 626-1444

Please patronize these electronics stores to show the Club's appreciation.

Finally, thank you to anyone I may have accidentally overlooked. I hope others will jump-in and have as rewarding a time as I did in serving the MDARC.

73, John Keibel - WA6SWO

From:  
Mt. Diablo Amateur Radio Club, Inc.  
P.O. Box 23222  
Pleasant Hill, Calif. 94523

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